## **Disaggregation Summary Report**

Test Date: 09/15/08

ISTEP+
INDIANA STATEWIDE TESTING
FOR EDUCATIONAL PROGRESS

State: INDIANA

Grade: 6

## Purpose

This report describes group achievement for selected reporting populations.



English/language arts	Total Number of Students	Pass+ N	%	Pass N	%	Total Pass N	ing %	Did Not N	Pass %	Undetern N	nined %	Mean/Median Scale Score	Standard Deviation
All Students	78179	6140	8	49652	64	55792	71	21951	28	436	1	498.1/500.3	54.3
General Education													
TOTAL General Education	66728	5979	9	46071	69	52050	78	14372	22	306	0	506.9/506.5	48.5
Special Education													
With accommodations	8918	36	0	2138	24		24	6636	74	108	1	434.9/436.2	52.8
Without accommodations	2533	125	5	1443	57		62	943	37	22	1	484.7/487.1	55.9
TOTAL Special Education	11451	161	1	3581	31	3742	33	7579	66	130	1	445.9/446.7	57.3
Limited English Proficiency													
With accommodations	1922	6	0	609	32		32	1224	64	83	4	448.5/452.4	49.4
Without accommodations	1321	29	2	689	52		54	548	41	55	4	476.2/478.4	50.9
TOTAL Limited English Proficiency	3243	35	1	1298	40	1333	41	1772	55	138	4	459.8/463.4	51.8
Non-Limited English Proficiency													
With accommodations	8935	46	1	2271	25	2317	26	6510	73	108	1	437.1/438.6	53.3
Without accommodations	66001	6059	9	46083	70		79	13669	21	190	Ö	508.0/507.5	48.0
TOTAL Non-Limited English Proficie		6105	8	48354	65		73	20179	27	298	0	499.6/501.7	53.8
Gender													
Male	39543	2179	6	24326	62	26505	67	12768	32	270	1	490.3/493.9	54.4
Female	38548	3961	10	25287	66		76	9144	24	156	0	506.1/506.6	53.0
No valid information	88	0	0	39	44		44	39	44	10	11	467.9/473.0	51.1
SES													
Paid lunch	44866	5060	11	31521	70	36581	82	8140	18	145	0	512.6/513.5	50.7
Free or reduced lunch	33020	1072	3	17984	54		58	13690	41	274	1	478.4/481.6	52.8
No valid information	293	8	3	147	50		53	121	41	17	6	470.8/479.3	54.3
Ethnicity								_					
American Indian or Alaska Native	235	7	3	147	63	154	66	79	34	2	1	489.6/494.3	48.5
Black (Not of Hispanic Origin)	9235	180	2	4516	49		51	4469	48	70	1	471.0/472.9	50.3
Asian or Pacific Islander	1102	204	19	621	56		75	206	19	71	6	517.9/521.4	64.0
Hispanic	5156	153	3	2681	52		55	2247	44	75	1	476.1/478.4	52.7
White (Not of Hispanic Origin)	59058	5368	9	39623	67		76	13872	23	195	0	504.2/506.0	53.0
Multiracial	3210	223	7	1974	61		68	1002	31	11	Ö	493.7/495.8	53.2
No valid information	183	5	3	90	49		52 52	76	42	12	7	471.5/479.3	53.7
Migrant	20	0	0	9	45	9	45	10	50	1	5	458.8/464.0	55.1

The cut score at Pass is 472. The cut score at Pass+ is 570.

The Lowest/Highest Scale Score Possible for English/language arts is 135/740.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100%.

## **Disaggregation Summary Report**

Test Date: 09/15/08

ISTEP+
INDIANA STATEWIDE TESTING
FOR EDUCATIONAL PROGRESS

State: INDIANA

Grade: 6

Purpose

This report describes group achievement for selected reporting populations.



Mathematics	Total Number of Students	Pass+ N	%	Pass N	%	Total Pa N	ssing %	Did Not N	Pass %	Undetern N	nined %	Mean/Median Scale Score	Standard Deviation
All Students	78179	15920	20	46039	59	61959	79	15838	20	382	0	510.0/513.3	63.4
General Education													
TOTAL General Education	66728	15172	23	41354	62	56526	85	9930	15	272	0	519.0/519.8	57.1
Special Education													
With accommodations	8839	290	3	3243	37	3533	40	5213	59	93	1	444.6/449.1	68.4
Without accommodations	2612	458	18	1442	55	1900	73	695	27	17	1	499.2/502.8	68.5
TOTAL Special Education	11451	748	7	4685	41	5433	47	5908	52	110	1	457.1/459.9	72.1
Limited English Proficiency													
With accommodations	1943		5	000	45	An A	FΛ	050	40	40	4	450 0/464 0	68.5
Without accommodations	1300	99 138	3 11	882 771	45 59	981 909	50 70	950 385	49 30	12 6	1 0	459.9/464.8 490.7/495.0	62.3
TOTAL Limited English Proficiency	3243	237	7	1653	51	1890	58	1335	41	18	1	472.3/476.3	67.8
Non-Limited English Proficiency													
With accommodations	8855	328	4	3327	38	3655	41	5107	58	93	1	446.7/451.3	68.7
Without accommodations	66081	15355	23	41059	62	56414	85	9396	14	271	0	520.2/520.9	56.5
TOTAL Non-Limited English Proficien	су 74936	15683	21	44386	59	60069	80	14503	19	364	0	511.6/514.8	62.7
Gender													
Male	39543	8634	22	22445	57	31079	79	8242	21	222	1	510.5/514.3	65.9
Female	38548	7280	19	23556	61	30836	80	7560	20	152	0	509.5/512.5	60.7
No valid information	88	6	7	38	43	44	50	36	41	8	9	468.1/480.3	76.6
SES													
Paid lunch	44866	12379	28	26816	60	39195	87	5580	12	91	0	526.3/527.7	59.2
Free or reduced lunch	33020	3520	11	19090	58	22610	68	10132	31	278	1	488.0/492.6	62.3
No valid information	293	21	7	133	45	154	53	126	43	13	4	470.1/473.8	68.2
Ethnicity													
American Indian or Alaska Native	235	40	17	136	58	176	75	56	24	3	1	500.4/499.4	59.4
Black (Not of Hispanic Origin)	9235	690	7	4949	54	5639	61	3496	38	100	1	477.2/481.5	62.7
Asian or Pacific Islander	1102	500	45	418	38	918	83	175	16	9	1	539.4/548.9	94.6
Hispanic	5156	512	10	2995	58	3507	68	1627	32	22	Ö	486.4/491.4	61.2
White (Not of Hispanic Origin)	59058	13637	23	35557	60	49194	83	9647	16	217	0	517.1/519.9	60.8
Multiracial	3210	527	16	1890	59	2417	75	771	24	22	1	502.3/505.8	61.9
No valid information	183	14	8	94	51	108	59	66	36	9	5	475.4/481.2	69.0
Migrant	20	0	0	11	55	11	55	9	45	0	0	462.9/472.0	45.1

The cut score at Pass is 464. The cut score at Pass+ is 559.

The Lowest/Highest Scale Score Possible for mathematics is 220/760.

Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100 %

# ISTEP+ INDIANA STATEWIDE TESTING FOR EDUCATIONAL PROGRESS

## **Group Academic Standards Summary**

State: INDIANA

Grade: 6

## **Purpose**

This report provides an analysis of Academic Standards using the average Indiana Performance Index (IPI) by subject for this group. The information may be used to analyze curriculum strengths and needs.



■No. of Students: 78179

Test Date: 09/15/08

Indiana Performance Index (IPI)	State Summary											
The IPI is the expected number of items correct had 100 similar items been taken for the given Academic Standard. The Difference score is the Mean IPI minus the IPI at the passing cut score.  MC: Multiple-choice items OE: Open-ended items  ** : Expected IPI for a student at the passing cut score	Points Possible	PI at Pass**	Mean Number Correct	Mean IPI	Difference	Number Mastery	Percent Mastery					
English/language arts	_	쁘	≥	≥		z	۵					
1. Reading Vocabulary(MC) 2. Reading Comp.(MC,OE) 3. Lit Response & Analysis(MC,OE) 4. Writing Process(MC) 5. Writing Applications(OE) 6. Lang. Conventions(MC,OE) *Number of Students: 77743	8 20 20 4 10 14	64 64 61 57 55 70	5.8 14.2 13.7 2.7 6.1 10.7	72.0 71.5 68.5 66.2 60.4 76.0	8.0 7.5 7.5 9.2 5.4 6.0	56007 55422 56010 55747 57152 56055	72 71 72 72 73 73					
Mathematics	•											
1. Number Sense(MC,OE) 2. Computation(MC) 3. Algebra & Functions(MC,OE) 4. Geometry(MC,OE) 5. Measurement(MC,OE) 6. Data Analysis & Prob(MC,OE) 7. Problem Solving(MC,OE) *Number of Students: 77797	12 10 14 14 12 10 12	39 51 52 48 49 37 35	6.6 6.7 9.5 8.6 8.0 5.9 6.3	55.6 66.8 67.7 62.0 66.1 59.0 52.5	15.8 15.7 14.0 17.1 22.0	61874 62555 61305 61692 61731 61661 61981	79 80 79 79 79 79 80					

<sup>\*</sup> Number of students that completed all tests in the content area. • Total number of all students that tested in either content area. Any student tested in both content areas is counted once. Adding the two-digit "IPI at Pass" scores will not result in the three-digit student score found on the Student Report.

# ISTEP+ INDIANA STATEWIDE TESTING FOR EDUCATIONAL PROGRESS

## Applied Skills Frequency Distribution

State: INDIANA
Grade: 6

## Purpose

This report provides a frequency of points obtained by Applied Skills items.



Test Date: 09/15/08

	Total 0 Points 1 Point 2 Points 3 Points Points Number Obtained Obtained Obtained Obtained		ed	4 Points Obtaine	ed	5 Points Obtained	6 Points Obtained							
Item # - Test #	Poss	of Stdnts	N	%	N	%	N	%	N	%	N	%	N %	N %
Writing Applications	:		: :		:			~ ~	: !		:			
1a-3-Writing Applications	6 4	78179 78179	•		1368 5145	2 7	9901 23357	13 30	29165 31003	37 40	30706	39 21	5596 7	624 1
13b-4-Writing Applications	. 4	/61/9	•		; 5145		: 2005/	30	: 21002	40	16215	21	•	•
Lang. Conventions	•		•		:		•		•		•		•	
1b-3-Lang Conventions	4	78179	•		: 1534	2	: 11415	15	: : 30636	39	: 34215	44		•
13c-4-Lang. Conventions	. 4	78179	•		5145	7	23102	30	31250	40	16615	21	•	•
			• •		•				•					
Reading Comp.					:		•		:		•			
5-4-Reading Comp.	2	78179	17201	22	17666	23	41178	53						•
7-4-Reading Comp.	2	78179	21727	28	23724	30	30473	39	•					•
					į									
Lit Response & Analysis	•	•	• •		<u>.</u>		<u>.</u>		• •		•		•	•
9-4-Lit Response & Analysis	2	78179	26285	34	33214	42	16738	21			•			
11-4-Lit Response & Analysis	2	78179	9098	12	40646	52	26410	34	•		<b>.</b>		•	•
13a-4-Lit Response & Analysis	2	78179	19705	25	36592	47	19423	25			•			
	<b>:</b>		•		<u>;</u>				• •		•			
	<u>.</u>		•				•		•		•		•	<u> </u>
	•				•				•	21212121212121212121	•			•
	•								•					
R.A A.L.														
Math	• • • • • • • • • • • • • • • • • • • •		3 Points 4 Points		5 Points	6 Points								
	Points	Number of Stdnts	Obtaine	ea %	Obtaine N	ea %	Obtaine N	ea %	Obtaine N	ea %	Obtaine N	ea %	Obtained %	Obtained %
	F USS	or sturits	111	/0	i IN	/0	: IN	/0	: IN	/0	: IN	/0	: IN /0	: IN /0
Algebra & Functions	: !								:		:		•	•
1-7-Algebra & Functions 3-7-Algebra & Functions	2	78179	42387	54	18531	24	14985	19	•		•		•	
1-8-Algebra & Functions	2	78179	19564	25	15424	20	42621	55	•		•			•
To Algebia a Tanctions	<u>2</u>	78179	4958	6	4519	6	68124	8.7	•		•		:	•
Geometry	•	•	•		•		<b>.</b>		•		•		•	•
2-7-Geometry	2	78179	19371	25	35353	45	22987	29	•		•			
3-8-Geometry	2	78179	7835	10	22129	28	47717	61			•		•	
7-8-Geometry	2	78179	20118	26	34167	44	23429	30	•		•			•
,	- <u>-</u>	10117	LULIU		- 37101		· LUTE/		•		•		•	
Measurement	:		:				:		:		:		•	
4-7-Measurement	2	78179	48653	62	2963	4	: 25977	33						
4-8-Measurement	2	78179	16579	21	10102	13	51046	65	:		:		•	•
	<b>.</b>							_	•		•			<b>;</b>
Problem Solving	:				:				:		:		•	:
5-7-Problem Solving	3	78179	36054	46	21412	27	1879	2	18319	23			•	
7-7-Problem Solving	2	78179	2700	3	19277	25	55627	71	:		:			
2-8-Problem Solving	2	78179	15633	20	14811	19	47207	60					•	
5-8-Problem Solving	3	78179	25382	32	19372	25	21823	28	10756	14	•			
									<b>.</b>					
	:		•		:		:		:		:		•	•
	•	78179	59220	76	4021	<b>5</b>	14278	18	•		•			
Number Sense 6-7-Number Sense	2	•			•		:		:		:		•	:
6-7-Number Sense	2		<b>.</b>		<b>!</b>						<b>.</b>			
6-7-Number Sense Data Analysis & Prob									•		•			
6-7-Number Sense	2	78179	34830	45	2334	3	40431	52						į
6-7-Number Sense Data Analysis & Prob			34830	45	2334	3	40431	52						

### A Message from Dr. Suellen Reed

Dear Teachers and Administrators.

The ISTEP + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help the evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the ISTEP + assessment.

Sincerely.

Suellen Reed

Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

Criterion-referenced Test: A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

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Indiana Scale Score: Student achievement levels relative to the Indiana Academic Standards are reported by ISTEP + as scale scores in English/language arts and mathematics. These three-digit, equal-interval scores are expressed on unique scales by content area.

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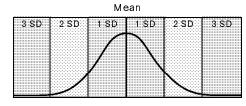
#### SUMMARY INFORMATION

Mean: Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

Median: The median is another often used "average." It is defined as the score below which half of the cases fall.

Mean Scale Score: The arithmetic average of the scale scores obtained by a group of students.

Standard Deviation (SD): A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



Standard Deviation

## ISTEP + INDIANA STATEWIDE TESTING FOR EDUCATIONAL PROGRESS

## Applied Skills **Frequency Distribution**

State: INDIANA
Grade: 6

Purpose
This report provides a frequency of condition codes obtained by Applied Skills items.



Test Date: 09/15/08	

E/la	Total Number of	Condition Code A Blank Response	Condition C		Condition C Non - Englis	sh	Condition C		Condition C Off Topic		Invalid / C Test	
Item # - Test #	Students	N %	: N	%	N	%	N	%	N	%	N	%
Writing Applications											<u></u>	
1a-3-Writing Applications	78179 78179	0 0	13 43	0 0	8 6	0 0	19 111	0	440 392	1	339 249	0 0
13b-4-Writing Applications	701/9	1658 2	. 45		6		111	0	392		249	U ::::::::::::::::::::::::::::::::::::
Lang. Conventions			•									
1b-3-Lang Conventions	78179	0 0	13	0	8	0	19	0	0	0	339	0
13c-4-Lang Conventions	78179	1658 2	43	0	6	0	111	0	0	0	249	0
100 4 Edig. Conventions			•									
Reading Comp.			•		•		•		• • • • • • • • • • • • • • • • • • • •		•	
5-4-Reading Comp.	78179	1836 2	27	0	2	0	20	0	0	0	249	0
7-4-Reading Comp.	78179	1965 3	27	0	2	0	10	0	2	0	249	0
Lit. Resp. & Analysis												and the second second
9-4-Lit. Resp. & Analysis	78179	1650 2	34	0	4	0	0	0	5	0	249 240	0
11-4-Lit. Resp. & Analysis	78179 78179	1747 2 1658 2	26 43	0	1 6	0	2 111	0 0	0 392	0 1	249 249	0 0
13a-4-Lit. Resp. & Analysis	7.017.2	1000	: :				in a second design and the second design and		27.5		642	
			<b>.</b>									1919 1919 1919 1919
	•		•				•					
555555555555555555555555555555555555555			•									
	:		:		•		•				•	
Math	Total	Condition Code A	Condition C	ode B	Condition C	ode C	Condition C	ode D	•		Invalid / C	mitted
Matii		Blank Response	Illegible	Joue B	Non - Englis		Insufficient	oue D			Test	millea
Item # - Test #	·	N %	N	%	N Engli	%	N	%			N	%
Algebra & Functions												
1-7-Algebra & Functions	78179	1985 3	1	0	0	0	7	0			283	0
3-7-Algebra & Functions	78179	283 0	0	0	1	0	3	0			283	0
1-8-Algebra & Functions	78179	277 0	. 0	0	0	0	0	0			301	0
	•		•				•				• •	
Geometry			•									
2-7-Geometry	78179	181 0	1	0	3	0	0	0			283	0
3-8-Geometry	78179	195 0	0	0	1	0	1	0			301	0
7-8-Geometry	78179	164 0	0		0		0	0			301	
Measurement		•										
Weasurement	78179	302 0	<u>.</u>	0	0	0	0	0			283	0
4-8-Measurement	78179	302 0 151 0		0	0	0	0	0			203 301	0
Problem Solving			•									
5-7-Problem Solving	78179	229 0	•	0	0	0	3	0			283	0
7-7-Problem Solving	78179	291 0	0	0	0	0	1	0	•		283	0
2-8-Problem Solving	78179	227 0	• 0	0	0	0	0	0			301	0
5-8-Problem Solving	78179	545 1	0	0	0	0	0	0			301	0
			•									
Number Sense												
6-7-Number Sense	78179	377 0	0	0	0	0	0	0			283	0
400000								000000000000000000000000000000000000000		5555555555		555555555
Data Analysis & Prob 6-8-Data Analysis & Prob	. 70170	207 ^	•				•				701	•
o o-pata Alialysis α PIOD	78179	283 0	0	0	0	0	0	0		5555555555	301	0
	•		:		<u>:</u>		:		:		•	

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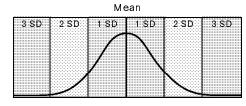
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Standard Deviation



## **State Proficiency Performance Summary**

State: I	NDIANA

## Purpose

This report provides the number and percent of students in each performance category.



Test Date: 09/15/08

	English/ language arts Pass+	English/ language arts Pass	English/ language arts Did Not Pass	English/ language arts Undetermined	Mathematics TOTALS
Mathematics Pass +	4520 Students Pass+ in E/la and 6% Math	11115 Students Pass in E/la and Pass + in Math	268 Students Did Not Pass in E/la and Pass+ in 0%	17 Students Undetermined in E/la and Pass+ in 0%	15920 Students Pass+ in Math
Mathematics Pass	1614 Students Pass+ in E/la and Pass in Math	34840 Students Students Pass in E/la and Math	9494 Students Did Not Pass in E/la and Pass in Math	91 Students Undetermined in E/la and Pass in 0%	59% 46039 Students Pass in Math
Mathematics Did Not Pass	5 Students Pass+ in E/la and Did Not Pass 02in Math	3586 Students Pass in E/la and Did Not Pass 5% in Math	12037 Students Did Not Pass in E/Ia and Math	210 Students Undetermined in E/Ia and Did Not Pass 02_ in Math	15838 Students 20% Did Not Pass in Math
Mathematics Undetermined	1 Student Pass+ in E//a and Undetermined 0%	111 Students Pass in E/la and Undetermined 0%	152 Students Did Not Pass in E/la and Undetermined ox	118 Students Undetermined in E/la and 0%	382 Students Undetermined 
English/ language arts TOTALS	6140 Students Pass+ in 8% E/la	64% 49652 Students Pass in E/la	21951 Students Did Not Pass in E/la	436 Students Undetermined in E/la	Summary of Student Counts  Total Grade Count 78179 Students with Complete Tests 77479 Students with Undetermined Scores E/la Only 318 Math Only 264 Both 118  Mathematics

			English/language arts						Mathematics					
Summary of Scores	E/la	Math	Pass+		Pass		Did Not Pass		Pass+		Pass		Did Not Pass	
Mean Scale Score	498.1	510.0	MSS:	596.7	MSS:	514.5	MSS:	433.2	MSS:	592.0	MSS:	512.6	MSS:	419.9
Pass Cut Score	472	464	SD:	26.9	SD:	25.7	SD:	34.7	SD:	31.7	SD:	26.0	SD:	43.5
Pass + Cut Score	570	559	L/H Obt:	570-740	L/H Obt:	472-569	L/H Obt:	135-471	L/H/Obt:	559-760	L/H/Obt:	464-558	L/H/Obt:	220-463
Standard Deviation	54.3	63.4	L/H Range:	570-740	L/H Range:	472-569	L/H Range:	135-471	L∕H Range:	559-760	L/H Range:	464-558	L/H Range:	220-463
Lowest/Highest Scale Score Obtained	135-740	220-760	6140 Students Pass+		49652 Students Pass		21951 Students Did Not Pass		15920 Students Pass+		46039 Students Pass		15838 Students Did Not Pass	
Lowest/Highest Scale Score Possible	135-740	220-760												

MSS: Mean Scale Score SD: Standard Deviation Subtotal numbers are rounded within each category. Adding subtotals may not result in exactly 100 % .

L/H Obt: Lowest/Highest Scale Score Obtained

L/H Range: Lowest/Highest Scale Score Range of Proficiency Level

### A Message from Dr. Suellen Reed

Dear Teachers and Administrators.

The ISTEP + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help the evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the ISTEP + assessment.

Sincerely.

Suellen Reed

Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

Criterion-referenced Test: A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

Indiana Academic Standards: The Indiana Academic Standards define three categories of student achievement in English/language arts and mathematics (Pass+, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass + Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.

Pass Meets the passing standard.

Did Not Pass Fails to meet the passing standard and in all likelihood will need remedial assistance.

Indiana Scale Score: Student achievement levels relative to the Indiana Academic Standards are reported by ISTEP + as scale scores in English/language arts and mathematics. These three-digit, equal-interval scores are expressed on unique scales by content area.

Indiana Performance Index (IPI) Score: A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

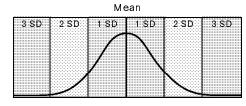
#### SUMMARY INFORMATION

Mean: Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

Median: The median is another often used "average." It is defined as the score below which half of the cases fall.

Mean Scale Score: The arithmetic average of the scale scores obtained by a group of students.

Standard Deviation (SD): A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



Standard Deviation